

# -DACT-

## DIGITAL ALARM COMMUNICATOR TRANSCEIVER



SINGLE HAZARD PANEL



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## General

The 10-2256 Fire Communicator is a four input device. The Fire Communicator is compatible with all Fike's Cheetah, SHP, Rhino, and Shark Control Systems. Refer to Fike's Installation/Operation Manual #151086 for additional details on programming and installing the Fire Communicator.

## 1.0 CHEETAH

The Cheetah Control Panel must be running Firmware 10-2234 Version 2.20 or later to use the Fire Communicator. The following paragraphs tell how to install the Fire Communicator for the different event reporting modes

### 1.1 ALARM EVENT REPORTING CONFIGURATION

To annunciate alarm conditions, connect input channel #1 of the communicator to the Cheetah alarm relay as shown below. No special programming of the Cheetah is necessary.

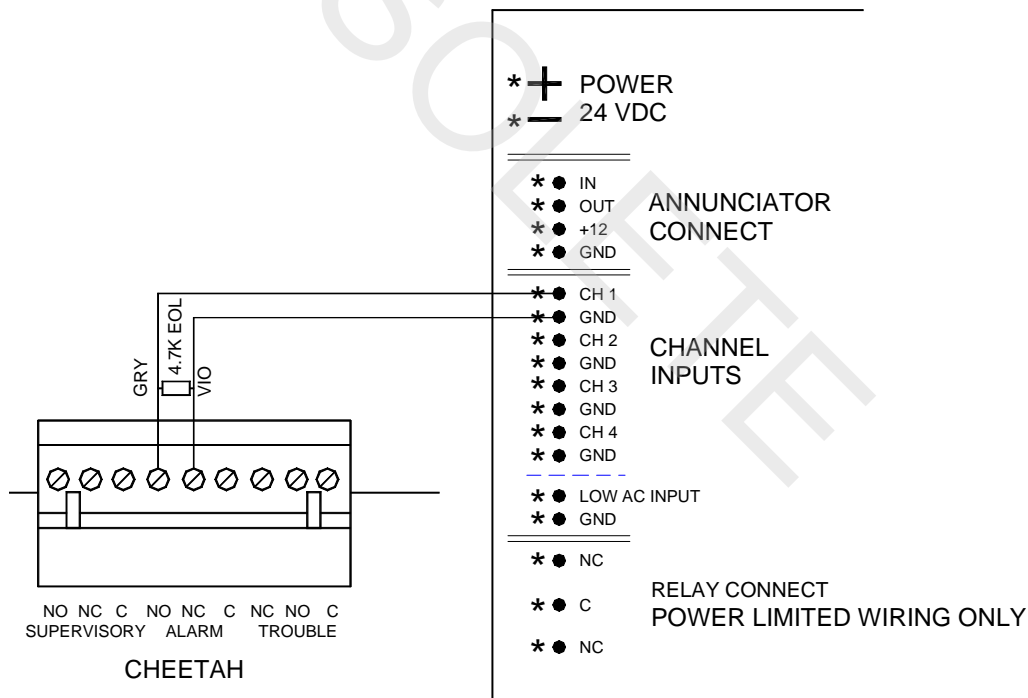


Figure 1

### 1.2 TROUBLE REPORTING CONFIGURATION

When using Fire Communicator with a Cheetah, the loss of AC reporting must be delayed by 6-30 hours. The delay period is programmed on the Cheetah by entering the CONFIG menu. Press F3, F1, F5. The screen will show :

"SELECT DELAY FOR AC POWER LOSS TROUBLE:"

Using the F1 and F4 key select the relay delay time. The range is 00, 06 - 30 hours in 1 hour increments. No other configuration changes are required. To properly annunciate trouble conditions, connect input channel #2 to the Cheetah trouble relay as shown below.

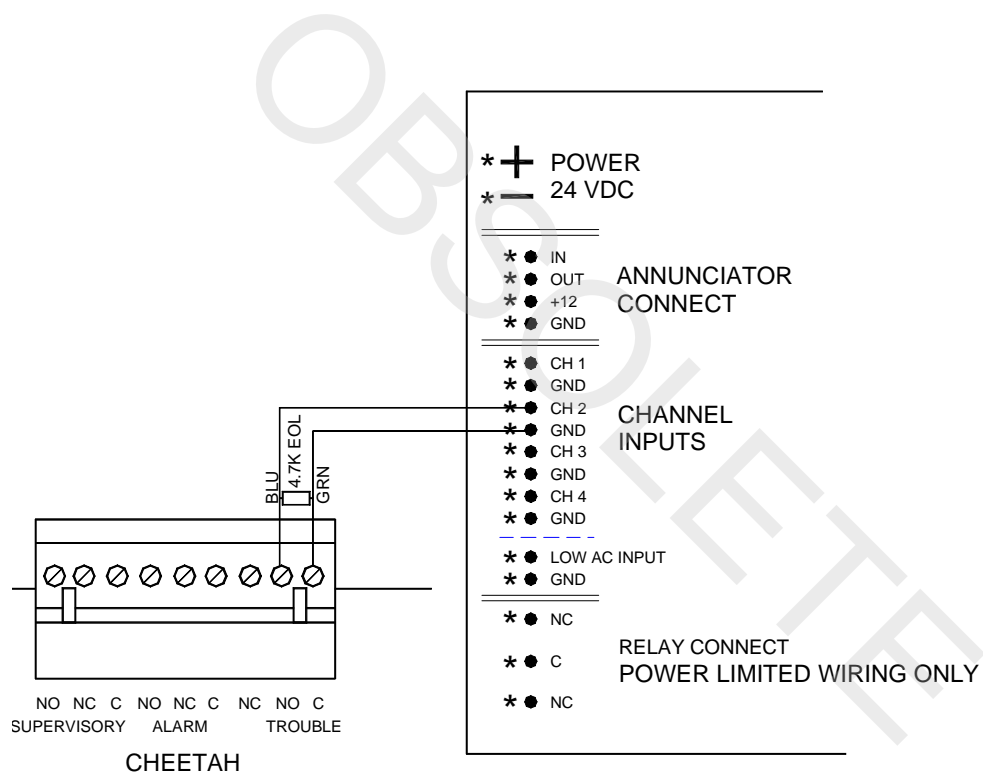


Figure 2



**1.3 SUPERVISORY REPORTING CONFIGURATION:**

To annunciate supervisory conditions, connect input channel #3 to the Cheetah supervisory relay as shown below. No special programming of the Cheetah is necessary.

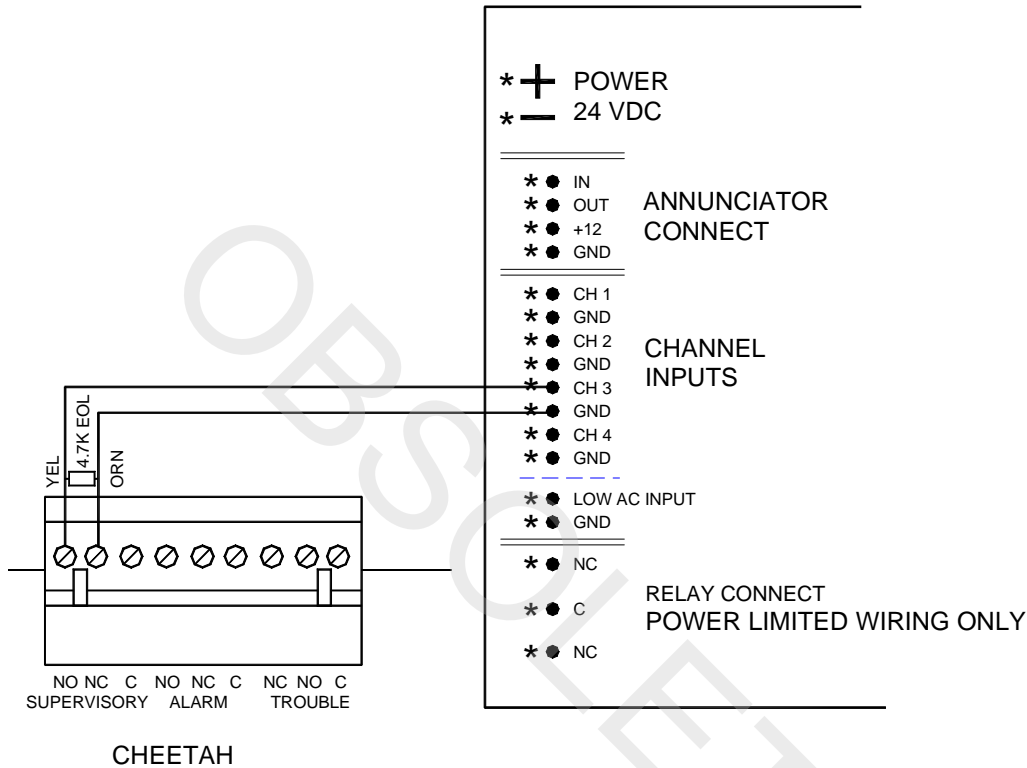


Figure 3

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OBSCOLETTE

## 2.0 SHP

The SHP Control Panel must be running Firmware 10-2189 Version 1.10 or later to use the Fire Communicator.

### 2.1 ALARM EVENT REPORTING CONFIGURATION

To properly annunciate an alarm condition, connect input channel #1 to the SHP alarm relay as shown below. No special programming of the SHP is necessary.

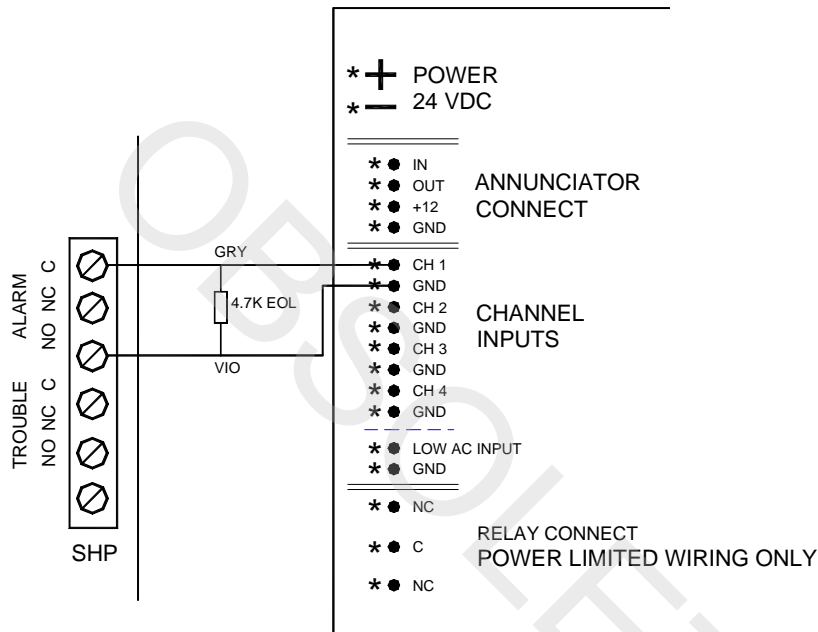


Figure 4

## 2.2 TROUBLE REPORTING CONFIGURATION

When the SHP is configured to operate with the Fire Communicator, the loss of AC reporting is done by the Fire Communicator. On the SHP, moving SW3 S9 to the ON position, sets up the SHP to operate with the Fire Communicator.

To properly annunciate a trouble condition, connect input channel #2 of the Fire Communicator to the trouble relay as shown below in Figure 5.

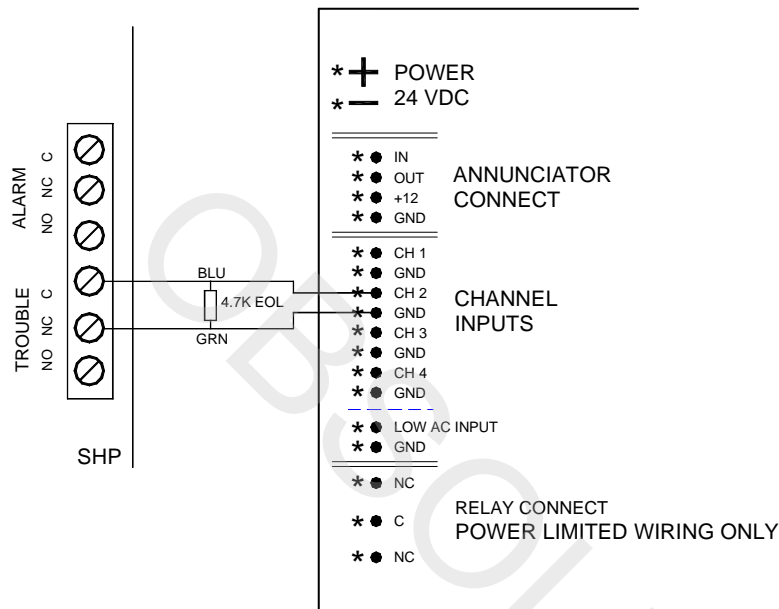


Figure 5

### 2.3 SUPERVISORY REPORTING CONFIGURATION

To annunciate supervisory conditions, an RM-4 must be used. Connect input channel #3 to Relay 6, on the RM-4, as shown below. On the SHP S1 and S8 must be in the ON position.

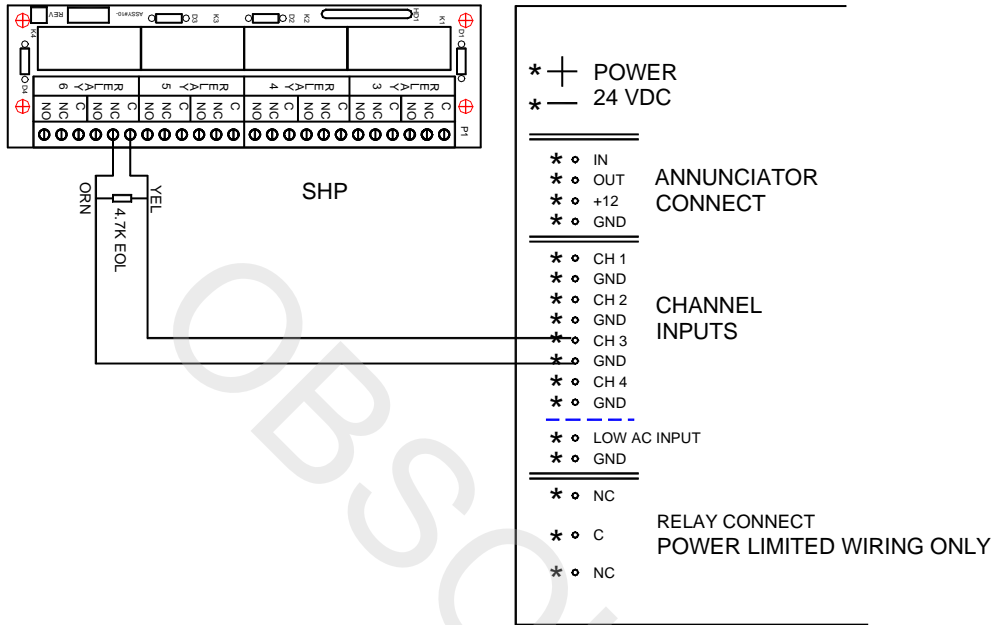


Figure 6

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### 3.0 RHINO

The Rhino Control Panel must be running Firmware 10-2147 Version 1.10 or later to use the Fire Communicator.

#### 3.1 ALARM EVENT REPORTING CONFIGURATION

To annunciate an alarm condition, connect input channel #1 to the Rhino alarm relay as shown below. No special programming of the Rhino is necessary.

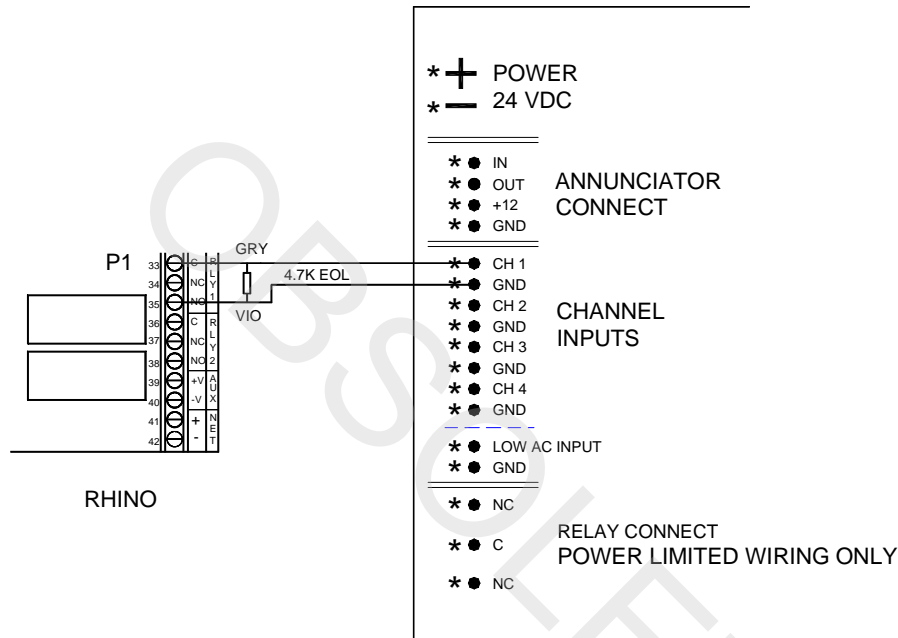


Figure 7

### 3.2 SUPERVISORY REPORTING CONFIGURATION

To use the Fire Communicator with the Rhino Control System, a RM4 (10-2143) must be installed on the DCM (10-2141). Once configured, Relay #6 on the RM4 is normally energized and will de-energize for all TROUBLE conditions except the loss of AC. The loss of AC reporting is done by the Fire Communicator. The Rhino is programmed to operate with the Fire Communicator by configuring Relay #6 to report ALL ZONE troubles in continuous mode. This is done from the CONFIG 3 screen. See Figure 8 and the Rhino Conventional Control System Manual, P/N 06-123 for details.

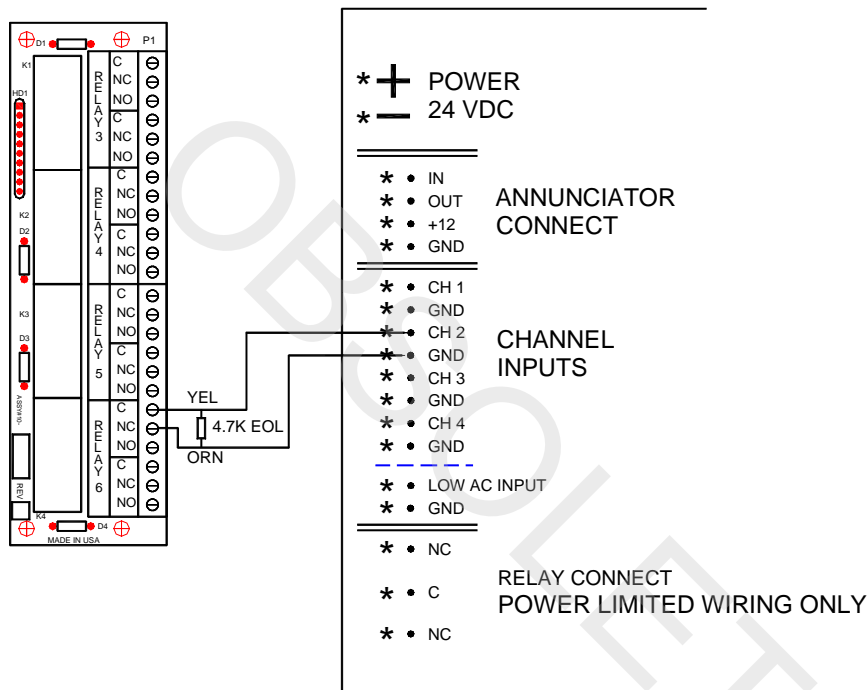


Figure 8



### 3.3 TROUBLE REPORTING CONFIGURATION

To annunciate a supervisory event, connect input channel #3 to the any relay on the Rhino that is programmed as a supervisory relay, continuous mode. See Figure 9 for an example of relay 5 as the supervisory relay.

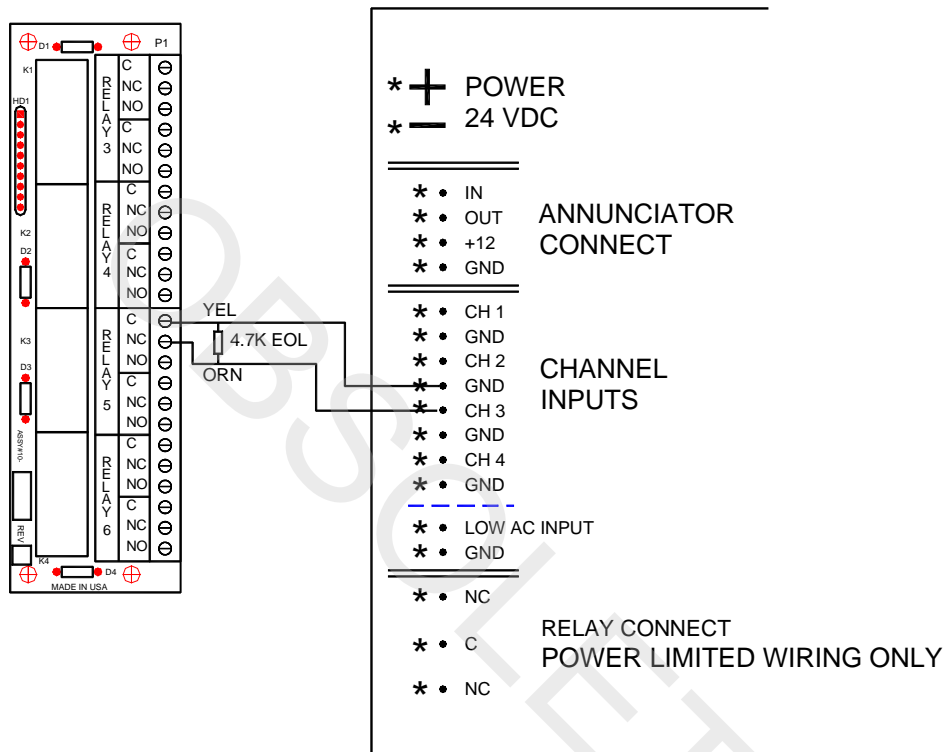


Figure 9

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## 4.0 SHARK

### 4.1 ALARM EVENT REPORTING CONFIGURATION

To annunciate an alarm condition, connect input channel #1 to the Shark alarm P2 relay as shown below. No special programming of the Shark is necessary.

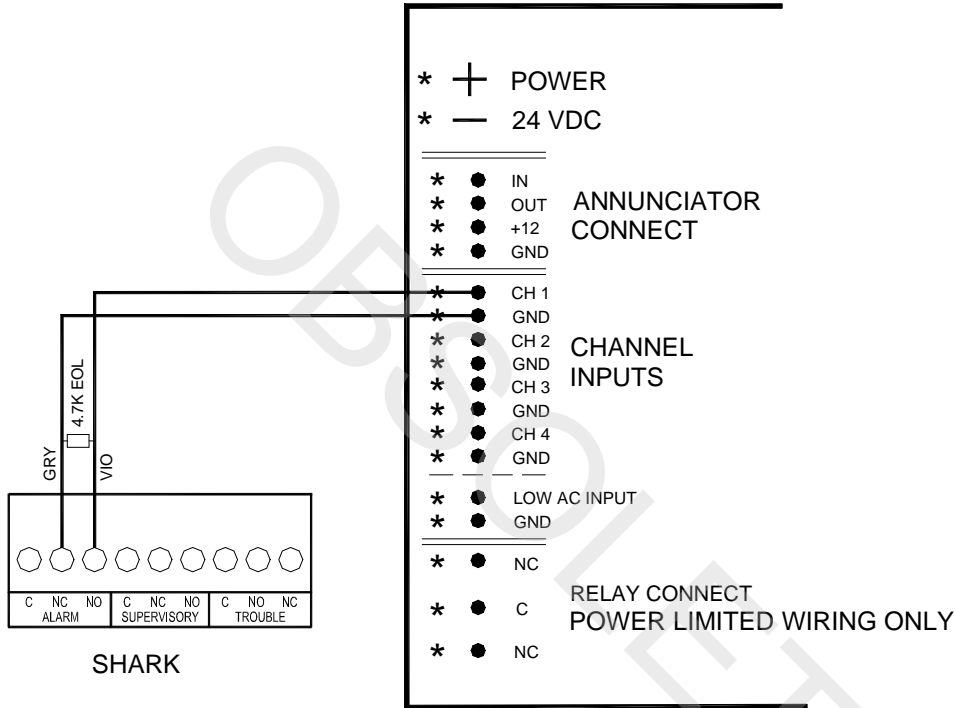


Figure 10

### 4.2 TROUBLE REPORTING CONFIGURATION

When using Fire Communicator with a Shark, the loss of AC reporting must be delayed by 6-12 hours for Central Station, 15-30 hours for Remote Station. The delay period is programmed on the Shark using the Shark Tooth Software. It is located under the Miscellaneous Tab under Shark Panel Properties (Select Timer Values). Select Local for no delay in reporting AC power trouble. To properly annunciate trouble conditions, connect input channel #2 to the Shark P2 trouble relay as shown below.

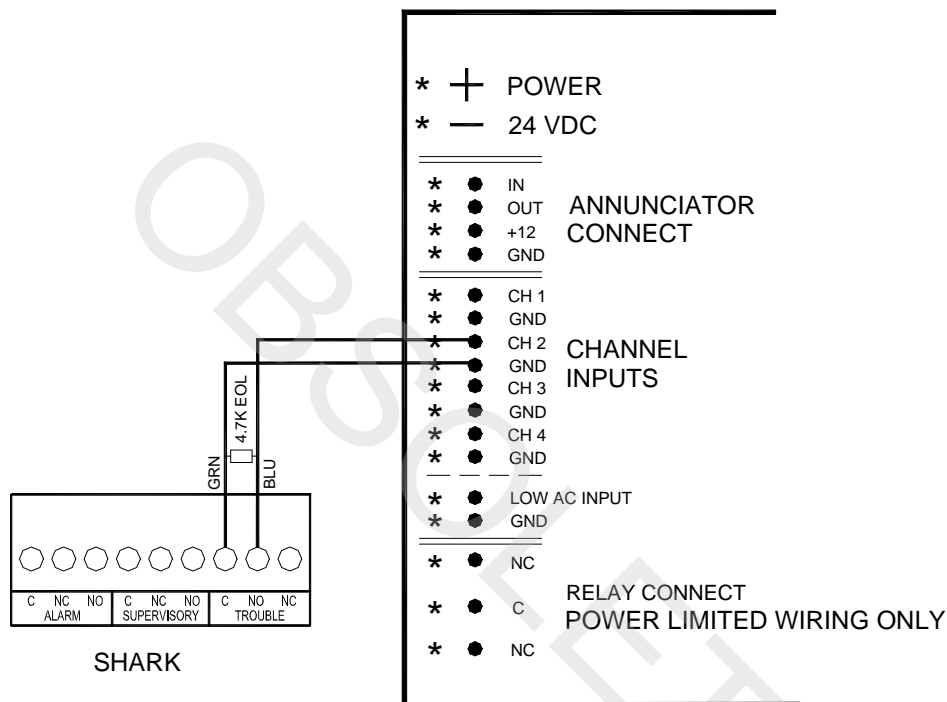


Figure 11

### 4.3 SUPERVISORY REPORTING CONFIGURATION:

To annunciate supervisory conditions, connect input channel #3 to the Shark P2 supervisory relay as shown below. No special programming of the Shark is necessary.

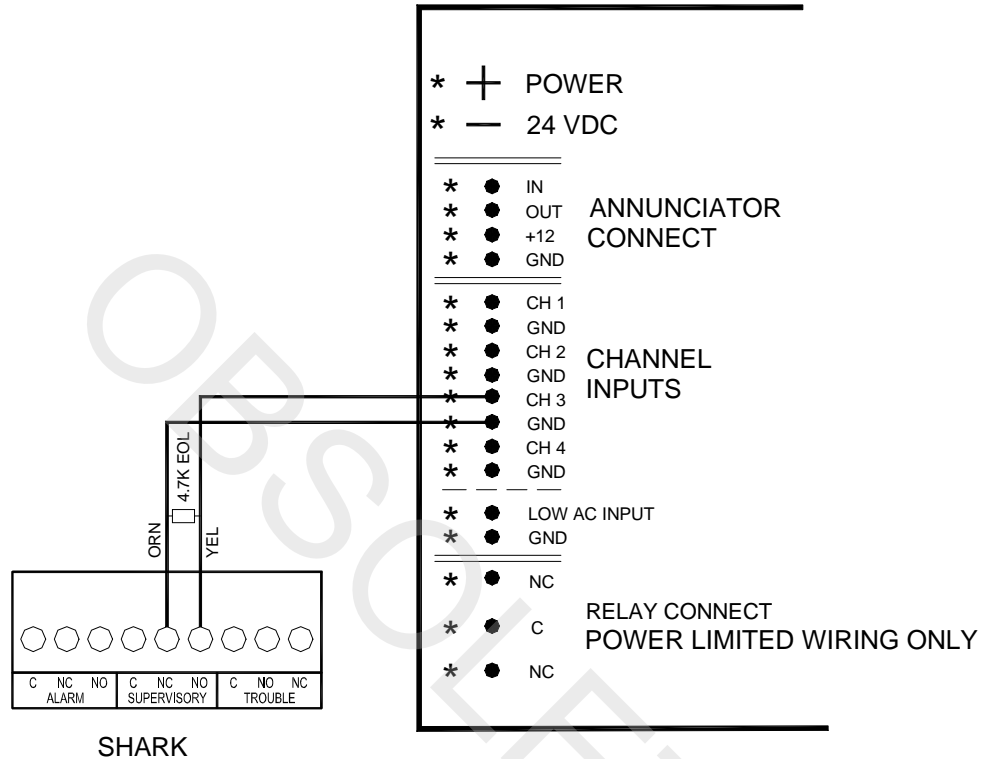


Figure 12

### 5.0 OTHER EVENT REPORTING CONFIGURATION

Channel #4 of the Fire Communicator can be used to annunciate other conditions, as long as a relay can be configured to annunciate the condition.





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